

CLAIMS

What we claim as our invention is:

1.- A hydromechanical automatic transmission for automobiles, and motorcycles having a source of moving force and driving wheels.

Comprising:

a) a permanent connected complementary hydraulic means for hydraulically converting and transmitting torque from the source of moving force to the driving wheels.

b) a permanent connected complementary mechanical power converter device for mechanically converting and transmitting torque from the source of moving force to the driving wheels.

c) an optional shifting device as driving selector mean.

2.- A hydromechanical automatic transmission for automobiles and motorcycles as set forth in Claim (1), in which the complementary mechanical power converter device.

Comprises:

a) a single planetary gear set.

b) a free wheel associated to a planetary ring gear and to a drum.

c) a brake device associated to a drum.

3.- A hydromechanical automatic transmission for automobiles and motorcycles as set forth in Claim (1) in which the complementary hydraulic means also comprises:

a) a brake device for momentary partially stopping said hydraulic means, only for shifting purposes.

4.- A hydromechanical automatic transmission for automobiles having a source of moving force and driving wheels in which a shifting device as a selector mean for automobiles comprise:

a) a planetary bevel gear set

b) striated planetary body

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- c) a sliding shifting coupling
- d) a yoque associated to a sliding shifting coupling
- e) a locking lever intended for shifting the reverse position

5.- A hydromechanical automatic transmission for **motorcycles** having a source of moving force and driving wheels in which a shifting device as a coupling mean comprises:

- a) a sliding shifting coupling
- b) a yoque intended for shifting purposes

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